

FIG.1 PRIOR ART

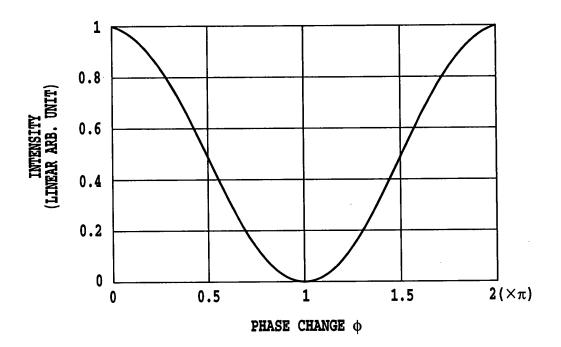


FIG.2 PRIOR ART

S1

S2

\$3

<SECOND STEP>

CONNECT WAVELENGTH TUNABLE LIGHT SOURCE TO MULTISTAGE MACH-ZEHNDER INTERFEROMETER TYPE OPTICAL CIRCUIT, AND SEQUENTIALLY OBTAIN RELATIONSHIPS BETWEEN PHASE CONTROL DRIVING AMOUNTS OF ASYMMETRICAL MACH-ZEHNDER INTERFEROMETERS TO BE MEASURED AND PHASE SHIFT AMOUNTS

<THIRD STEP>

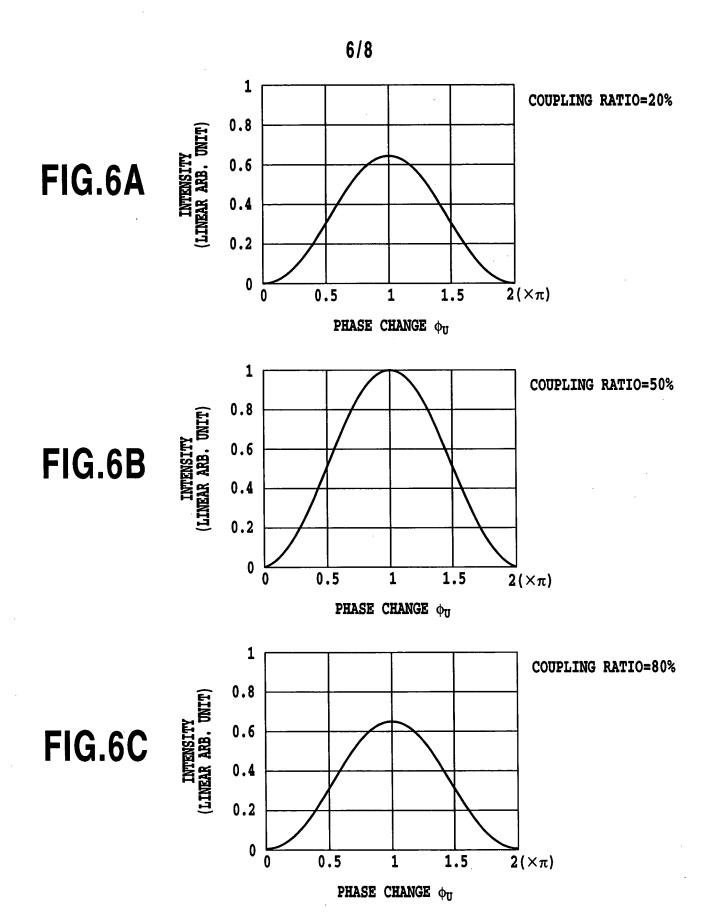
DRIVE PHASE CONTROL MEANS OF
INTERFEROMETERS SUCH THAT ACTUAL
PHASE SHIFT AMOUNTS AGREE
WITH PHASE SHIFT AMOUNTS OBTAINED BY
CALCULATION BASED ON RELATIONSHIPS
BETWEEN PHASE CONTROL DRIVING
AMOUNTS AND PHASE SHIFT AMOUNTS
MEASURED AT STEPS 1 AND 2

DESIRED CHARACTERISTICS ARE IMPLEMENTED

FIG.3

FIG.4

FIG.5



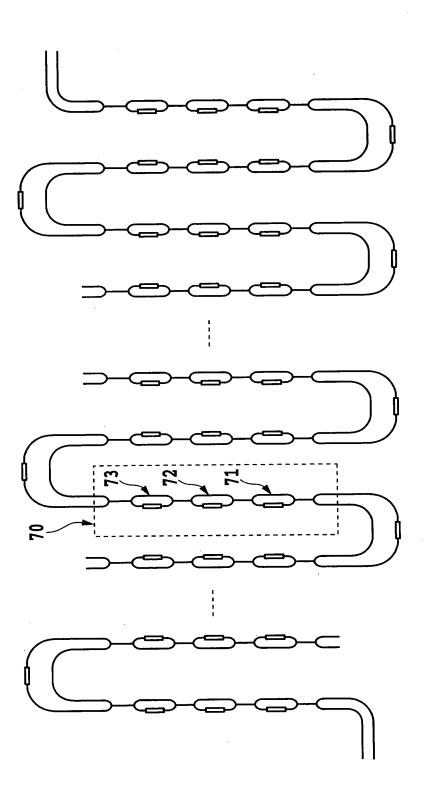


FIG.7

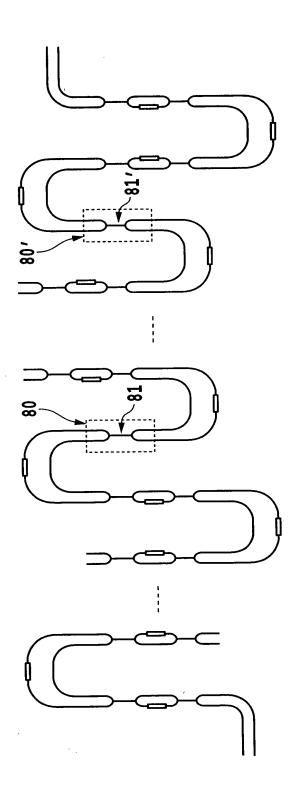


FIG.8